

TERMS OF REFERENCE

for an economic analysis of irrigation investment possibilities in the Kyrgyz Republic

1. Project information

The *Ferghana Valley Irrigation Partnerships Project (FVIPP)* is financed by the *Small Grant and Climate Innovation Facility* established by the regional *Climate Risk Management in Central Asia* Project, which are implemented by the Deutsche Gesellschaft für International Zusammenarbeit (GIZ) GmbH and funded by Germany's Federal Ministry for Economic Cooperation and Development (BMZ) and the UK's Foreign, Commonwealth and Development Office (FCDO).

FVIPP aims to accelerate the adoption of efficient irrigation technologies in water-constrained agricultural areas of southern Kyrgyzstan and northern Tajikistan. As part of its strategic planning, the project intends to assess the economic viability of proposed irrigation investments to ensure cost-effectiveness, sustainability, and equitable benefits for target communities as well as financial institutions.

Irrigation infrastructure is among the areas considered for support, with various investment instruments potentially available to promote modernization, improve efficiency, and facilitate equitable access. To inform strategic planning, the project seeks to engage a consultant to conduct an economic analysis of current and prospective irrigation investment options.

2. Purpose and main content of the work

To conduct a **comprehensive economic analysis of irrigation investment possibilities in the Kyrgyz Republic** assessing their financial feasibility, cost-effectiveness, and return on investment. The consultancy will evaluate the long-term sustainability and socio-economic impact of proposed interventions on smallholder farmers, while identifying risks and externalities.

In parallel, the consultant will examine the financial landscape, including the role of banks and development finance institutions, and propose a practical cooperation mechanism to enhance access to financing. Based on this analysis, the consultant will provide actionable recommendations for the strategic use of available and potential investment tools and prepare a final report

3. Scope of Work

The consultant will carry out the following tasks as part of the assignment:

- **Review and stakeholder consultations (as needed)**
 - Review technical designs, feasibility studies, and investment plans related to irrigation infrastructure.
 - Conduct stakeholder consultations, including farmers, water user associations, local authorities, banks, and/or financial institutions as needed.
- **Economic analysis of irrigation investments**
 - Analyze capital and operational costs, projected agricultural productivity, and income changes.
 - Evaluate economic indicators such as:
 - Net Present Value (NPV)
 - Internal Rate of Return (IRR)

- Payback Period
 - Cost-Benefit Ratio
- Prioritize high-return interventions by ranking investments based on impact and feasibility.
- Identify risks, externalities, and long-term sustainability factors (e.g., climate resilience, maintenance capacity).
- **Investment tool mapping and recommendations**
 - Map available investment tools and assess their suitability for different types of irrigation interventions.
 - Recommend which tools to use, how to combine them, and under what conditions they can be deployed efficiently.

4. Expected Results and Deliverables

- Inception report outlining methodology and workplan
- Draft report with preliminary findings and tool mapping
- Final report including:
 - Executive summary
 - Detailed economic analysis
 - Investment tool matrix
 - Visual tables and graphs
 - Actionable recommendations for project and donor use
- **All reports are to be submitted in English or in Russian with an (unofficial) translation to English.**
- **The assignment needs to be completed by 26th of October at the latest.**

5. Requirements for tender participants

Interested individual entrepreneurs applying for this tender must meet the following requirements:

Education

- Advanced degree in Economics, Agricultural Economics, or related field

Previous experience and competencies:

- Minimum 5 years of experience in economic analysis of infrastructure or agricultural investment
- Proven experience in irrigation or water resource projects
- Ability to develop financial cooperation mechanisms, including risk-sharing and blended finance models
- Experience in designing and evaluating public-private partnerships or co-financing schemes

Desirable:

Skills in visualizing economic data (tables, graphs, dashboards)

Language Skills

Fluent Kyrgyz (oral and written) and fluent Russian (oral and written), min. intermediate English (oral and written)

6. Content of the bid

- **Overview applicant(s):** List of the involved personnel. Attach the CVs of all involved professionals.
- **Budget:** Detailed costing covering the number of workdays (broken down per person), daily/hourly rates, and any other associated costs.
- **Timeline:** Work plan with main milestones and deliverables considering the completion of all tasks should be done by 26 October 2025 at the latest.
- **Methodologies:** Brief overview of approaches/software/tools you will use for the specific tasks.
- **Experience Overview:** An overview of past projects including at least the name of the project, client, duration and a short description.
- **References:** Provide at least two professional references¹.
- **Legal Documents:** A copy of the registration certificate of all involved parties.
- **Additional Information:** Any other information relevant to strengthen your proposal
- **Bids can be submitted in English or Russian**

7. Selection Criteria

The following criteria will be used to evaluate the bidders and their bids:

- Completeness and coherence of proposal
- Cost competitiveness
- Previous work experience and work portfolio (incl. references)
- Ability to complete tasks within the proposed timeframe

If the contract is awarded to you, the contractor undertakes to provide a detailed work plan describing the execution of all necessary work.

8. Application Procedure

Interested candidates should send their bids in English via e-mail to Lara.Ehrenzeller@helvetas.org with a copy to Taalaibek.Abdiraimov@helvetas.org **no later than 17:00, 12 October 2025** with the **subject line “2025 TENDER: Economic Analysis”**. If you need additional information or have questions, please send them to the addresses mentioned above.

All costs associated with the preparation of the Technical Proposal shall be borne by the submitting party.

¹ Please note that no references will be contacted without previously informing the applicants.